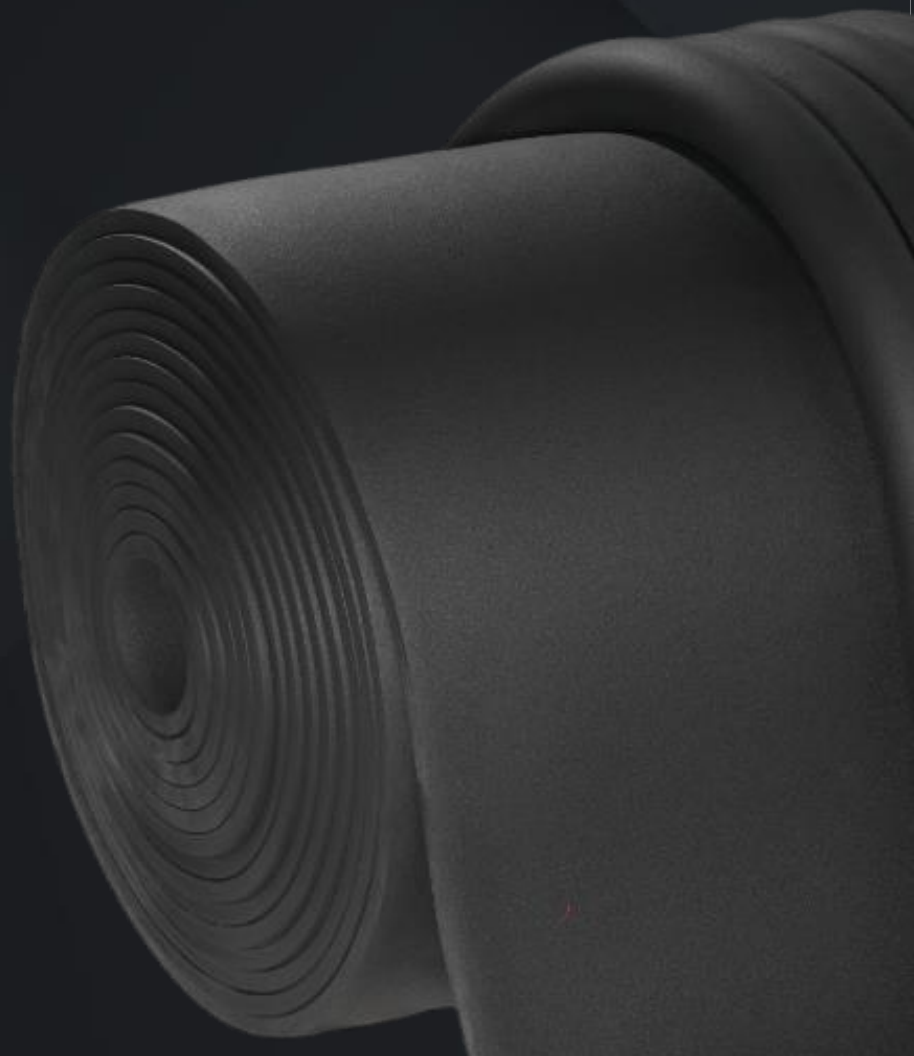


Gulf O Flex ▶

Protect any environment with our best-selling rubber insulation solution. With its presence on various applications, Gulf O Flex is a passive solution to energy efficiency. No need to actively maintain its performance, with its honeycomb mesh and scrim, its a self-sustaining material designed for thermal and acoustic purposes.

It's resistance to moisture vapor, mold and mildew growth ensures that its applications have a long lifespan, less downtime and continuing efficiency.

Available with or without self-adhesive application and scrim.



KEY FEATURES & DETAILS



HIGH FLEXIBILITY

Easily able to cover various tanks, pipes, bends, ducts, vessels, flat surfaces easily for maximum protection.



SUSTAINABLE

Helps systems utilize less energy, leading to less greenhouse gas emissions. CFC and HCFC free, which means they have 0 ODP (Ozone Depletion Potential)



PHYSICAL PROTECTION

Minimizes heat loss for heating systems and prevents condensation for cooling systems, and induces noise cancellation



EASY INSTALLATION

No additional steps are required to cut, bend, apply and seal for various purposes, saving time and cost

TECHNICAL DATA SHEET

DESCRIPTION

Gulf O Flex is Flexible Elastomeric Foam made of Nitrile Butadine Rubber, from thickness 6 mm to 50 mm both in sheet (with or without self-adhesive) and in tube forms. The anti- microbial insulation is flexible throughout our product range.

TECHNICAL DATA

PRODUCT MECHANICAL PROPERTIES		
Model	GULF O FLEX	
Material	FLEXIBLE ELASTOMERIC FOAM (NBR)	
Cell Structure	CLOSED CELL	
Density	50 - 70 Kg/m ³	ASTM C 302-13 (2022)
Thermal Conductivity (k) at 35 deg C mean temperature	0.0321 W/m-K	ASTM C518 -17
Operating Temperature Range consult salesperson for applications with temperatures below (-)40°C & higher than (+)105°C	-183 °C to +105 °C	ASTM C 534
Water Absorption	0.16 vol%	ASTM C534/C534M-20/ ASTM C 209-2015
Water Vapour Transmission	0.00 Perm in	ASTM E96 / 96M
Water Vapour Diffusion resistance factor (u)	>7300	ASTM E96 / 96M
REACTION TO FIRE		
Flammability	Self- Extinguishing	
Fire Rating	Part 6- Class O Part 7- Class I	BS 476
	FSI ≤ 25 SDI ≤ 50	ASTM E 84/ UL 723

ACOUSTIC PROPERTIES		
Noise Reduction Co-efficient	13 mm-	0.3
	19 mm-	0.4
	25 mm-	0.45
		ASTM C 423-01



Note: For available sizes please refer our packing data

APPLICATIONS & INDUSTRIES



HOT AND COLD WATER PLUMBING

Pipework requires insulation to maintain required temperatures. It traps heat for heating systems and slows freezing of pipes for cooling systems.



HVAC DUCTS

As many buildings are airtight and rely on filtered air, the ductwork needs to be insulated to ensure it continues to remove pollutants.



REFRIGERATION LINES

Adding insulation prevents water vapor contact with pipes, therefore avoiding condensation. It's primarily used in residential & commercial properties, construction, oil & gas, and automotive industries.



HVAC DUCT LINER

As noise travels across ducts, it's important to insulate them to ensure that noise and vibration transmission is reduced drastically. It also isolates both elements for quality control.



